Week	Pokok Bahasan	Materi
1.	Review on Basic Naval Architecture Principles	**1. Introduction: Why this course?** **2. Pentingnya menghitung stabilitas, review definisi fisik:** **a. LPP LWL LCB LCG** **b. Cm Cw Cp Cb** **c. Titik G** **d. Titik B** **e. Titik F** **3. Review on the laws of floatation** **4. Reserve Buoyancy** **5. TPC and perubahan draft akibat perbedaan rho**
-belajar mandiri-	The static transverse stability	6. The Metacenter 7. Types of Equilibrium 8. Steps to correct unstable ships 9. Stiff and Tender Ship 10. Negative GM and angle of Loll
2.	Effect of Free Surface of Liquids in Stability	11. Physical explanation of free surface of liquid 12. Correcting an angle of loll 13. Exercise
3.	TPC and Displacement Curve	14. Physical explanation of TPC and displacement curve 15. How to construct TPC and displacement curve and what information can be obtained from the graph
-belajar mandiri-	Final KG (Additional)	16. How to calculate final KG on given data
4.	Calculating KB, BM and Metacentric Diagram	17. Calculating KB 18. Calculating TBM 19. How to develop Metacentric Diagram
5.	Listing (1)	20. Example 1: Calculating list resultant of transversely moved cargo 21. Example 2: Sequential cargo movement - Moment about the keel 22. Example 2: Sequential cargo movement - Moment about the center line 23. Example 3: Combined horizontal and vertical shifting
6.	Listing (2)	24. Example 4: Finding maximum cargo if list degree is known

		25. Example 5: listing in lifting operation
7.	Moment of Statical Stability (1)	26. Moment of statical stability at small angle of heel
8.	Moment of Statical Stability (2)	27. Moment of statical stability at large angle of heel
9.	UTS	
10.	Trim (1)	28. Basic concept of trim 29. Calculating MTC
11.	Trim (2)	30. Finding the change of draft fwd and aft due to change of trim 31. Example 1 and 2: The effect of shifting weights already onboard 32. Example 1, 2 and 3: The effect of loading and/or discharging weight
12.	Trim (3)	33. Example 4 and 5: The effects of loading and/or discharging weight (2) 34. Using trim to find CoF
13.	Trim (4)	35. Loading a weight to keep Aft draft constant 36. Loading a weight to produce required draft 37. Using trim to find GML: Example 1 and 2
-belajar mandiri-	Combined Trim and List	38. Example 1: List and trim correction
14.	Stability and Hydrostatic Curve (1)	39. Cross Curve of Stability 40. KN Cross Curve of Stability
15.	Stability and Hydrostatic Curve (2)	41. Static Stability Curve 42. Hydrostatic Curve
16.	EAS	